



Faktorisieren Sie jeden Ausdruck vollständig.

**Antworten**

1)  $\frac{12}{25}b - \frac{16}{15} =$  \_\_\_\_\_

1. \_\_\_\_\_

2)  $\frac{8}{63}c + \frac{12}{63} =$  \_\_\_\_\_

2. \_\_\_\_\_

3)  $\frac{3}{14}d - \frac{3}{35} =$  \_\_\_\_\_

3. \_\_\_\_\_

4)  $-\frac{3}{21}e - \frac{3}{21} =$  \_\_\_\_\_

4. \_\_\_\_\_

5)  $\frac{6}{15}f - \frac{3}{35} =$  \_\_\_\_\_

5. \_\_\_\_\_

6)  $-\frac{3}{8}g - \frac{3}{16} =$  \_\_\_\_\_

6. \_\_\_\_\_

7)  $\frac{8}{24}h + \frac{8}{72} =$  \_\_\_\_\_

7. \_\_\_\_\_

8)  $-\frac{8}{63}i - \frac{8}{27} =$  \_\_\_\_\_

8. \_\_\_\_\_

9)  $\frac{12}{40}j - \frac{14}{25} =$  \_\_\_\_\_

9. \_\_\_\_\_

10)  $\frac{16}{42}k + \frac{20}{49} =$  \_\_\_\_\_

10. \_\_\_\_\_



Faktorisieren Sie jeden Ausdruck vollständig.

$$1) \frac{12}{25}b - \frac{16}{15} = \frac{4}{5}(\frac{3}{5}b - \frac{4}{3})$$

$$2) \frac{8}{63}c + \frac{12}{63} = \frac{4}{63}(\frac{2}{1}c + \frac{3}{1})$$

$$3) \frac{3}{14}d - \frac{3}{35} = \frac{3}{7}(\frac{1}{2}d - \frac{1}{5})$$

$$4) -\frac{3}{21}e - \frac{3}{21} = \frac{-3}{21}(\frac{1}{1}e + \frac{1}{1})$$

$$5) \frac{6}{15}f - \frac{3}{35} = \frac{3}{5}(\frac{2}{3}f - \frac{1}{7})$$

$$6) -\frac{3}{8}g - \frac{3}{16} = \frac{-3}{8}(\frac{1}{1}g + \frac{1}{2})$$

$$7) \frac{8}{24}h + \frac{8}{72} = \frac{8}{24}(\frac{1}{1}h + \frac{1}{3})$$

$$8) -\frac{8}{63}i - \frac{8}{27} = \frac{-8}{9}(\frac{1}{7}i + \frac{1}{3})$$

$$9) \frac{12}{40}j - \frac{14}{25} = \frac{2}{5}(\frac{6}{8}j - \frac{7}{5})$$

$$10) \frac{16}{42}k + \frac{20}{49} = \frac{4}{7}(\frac{4}{6}k + \frac{5}{7})$$

**Antworten**

1.  $\frac{4}{5}(\frac{3}{5}b - \frac{4}{3})$

2.  $\frac{4}{63}(\frac{2}{1}c + \frac{3}{1})$

3.  $\frac{3}{7}(\frac{1}{2}d - \frac{1}{5})$

4.  $\frac{-3}{21}(\frac{1}{1}e + \frac{1}{1})$

5.  $\frac{3}{5}(\frac{2}{3}f - \frac{1}{7})$

6.  $\frac{-3}{8}(\frac{1}{1}g + \frac{1}{2})$

7.  $\frac{8}{24}(\frac{1}{1}h + \frac{1}{3})$

8.  $\frac{-8}{9}(\frac{1}{7}i + \frac{1}{3})$

9.  $\frac{2}{5}(\frac{6}{8}j - \frac{7}{5})$

10.  $\frac{4}{7}(\frac{4}{6}k + \frac{5}{7})$